

ABSTRACT

THE EFFECT OF COMBINATION PORTION MEASUREMENT OF CHICKEN MANURE AND ABATTOIR WASTE ON THE GROWTH AND RESULTS OF SHOWN ONION (*Allium ascalonicum* L.)

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Shallots (*Allium ascalonicum* L.) are one of the essential vegetable commodities with significant importance to society, both economically and due to their high nutritional content. One of the efforts to improve the growth and yield of shallots is through organic fertilization. Porasi is an organic fertilizer produced from the fermentation of organic materials with the help of effective microorganisms (EM). This study aims to investigate the impact of the combination of chicken manure porasi and slaughterhouse waste porasi on the growth and yield of shallot plants (*Allium ascalonicum* L.). The research was conducted at the experimental garden of the Faculty of Agriculture, Universitas Siliwangi, located in Mugarsari Village, at an altitude of approximately 374 meters above sea level. The study was carried out from May 2022 to July 2022. The experimental design used was a Randomized Block Design (RBD) consisting of 9 treatments: A = Without porasi, B = 10 t/ha chicken manure porasi, C = 10 t/ha slaughterhouse waste porasi, D = 20 t/ha chicken manure porasi, E = 20 t/ha slaughterhouse waste porasi, F = 5 t/ha chicken manure porasi + 5 t/ha slaughterhouse waste porasi, G = 10 t/ha chicken manure porasi + 10 t/ha slaughterhouse waste porasi, H = 5 t/ha chicken manure porasi + 15 t/ha slaughterhouse waste porasi, I = 15 t/ha chicken manure porasi + 5 t/ha slaughterhouse waste porasi. The experiment was replicated three times, resulting in a total of 27 experimental plots. The results indicated that the application of both chicken manure porasi and slaughterhouse waste porasi, either individually or in combination, had a significant effect on the growth and yield of shallots. The different porasi treatments demonstrated their potential in improving the growth and yield of shallots.

Key: shallots, a portion of chicken manure and a portion of slaughterhouse waste